EPSON

Quick Reference

JX-80 Color Printer

Character Width (Pitch)

CHR$(27)"M"	Turns Elite Mode ON.
CHR$(27)"P"	Turns Elite Mode OFF.
CHR$(15)[^O]	Turns Compressed Mode ON.
CHR$(18)[^R]	Turns Compressed Mode OFF.
CHR$(14)[^N]	Turns One-Line Expanded Mode ON.
CHR$(20)[^T]	Turns One-Line Expanded Mode OFF.
CHR$(27)"W0"	Turns Continuous Expanded Mode OFF.
CHR$(27)"W1"	Turns Continuous Expanded Mode ON.
CHR$(27)"p0"	Turns Proportional Mode OFF.*
CHR$(27)"p1"	Turns Proportional Mode ON.*

Character Weight

CHR$(27)"E"	Turns Emphasized Mode ON.
CHR$(27)"F"	Turns Emphasized Mode OFF.
CHR$(27)"G"	Turns Double-Strike Mode ON.
CHR$(27)"H"	Turns Double-Strike Mode OFF.

Print Enhancement

CHR$(27)"S0"	Turns Superscript Mode ON.
CHR$(27)"S1"	Turns Subscript Mode ON.
CHR$(27)"T"	Turns either Script Mode OFF.
CHR$(27)"-0"	Turns Underline Mode OFF.
CHR$(27)"-1"	Turns Underline Mode ON.

Mode and Character Set Selection

CHR$(27)"!"CHR$(n)
Master Print Mode Select (Master Select): n = 0 to 255.

CHR$(27)"%"CHR$(n_1)CHR$($n_2$)
Selects a character set by source: ROM (factory) or RAM (user-defined). n_1 selects ROM (0) or RAM (1); n_2 is 0.

CHR$(27)"&"CHR$(n)CHR$($c_1$)CHR$(c_2)CHR$(A)CHR$(d_1) . . . CHR$($d_{11}$)
Defines characters c_1 to c_2 in RAM area; n is 0. Each character requires an attribute byte (A), followed by 11 data numbers (d_1 to d_{11}).

CHR$(27)"4"	Turns Italic Mode ON.
CHR$(27)"5"	Turns Italic Mode OFF.
CHR$(27)"6"	Enables printing of characters stored at ASCII 128 - 159.
CHR$(27)"7"	Causes codes 128 - 159 to print as control codes.

CHR$(27)":"CHR$(n_1)CHR$($n_2$)CHR$(n_3)
Copies ROM characters to the user RAM area. All numbers must be zero.

CHR$(27)"@"	Reset Code.
CHR$(27)"I0"	Causes codes 0 - 31 to print as control codes.
CHR$(27)"I1"	Enables printing of characters stored at ASCII 0 - 31 that are not used as control codes.

CHR$(27)"R" CHR$(n)
Selects the international character set n, where n = 0 - 10.

Special Printer Features

CHR$(7)[^G]	Sounds the beeper.
CHR$(8)[^H]	Backspaces.
CHR$(17)	Enables the printer to receive data (default).
CHR$(19)	Disables the printer from receiving data.
CHR$(24)	Cancels the text in the print buffer.
CHR$(27)"#"	Accepts the high-order bit "as is" from the computer.
CHR$(27)"<"	Turns One-Line Unidirectional Mode ON.
CHR$(27)"="	Sets the high-order bit OFF.
CHR$(27)">"	Sets the high-order bit ON.
CHR$(27)"U0"	Turns Continuous Unidirectional Mode OFF.
CHR$(27)"U1"	Turns Continuous Unidirectional Mode ON.
CHR$(27)"i0"	Turns Immediate Mode OFF.*

CHR$(27)"i1"	Turns Immediate Mode ON.*
CHR$(27)"r"CHR$(n)	Selects color, where n = 0 to 6.*
CHR$(27)"s0"	Returns to normal speed.*
CHR$(27)"s1"	Turns Half-Speed Mode ON.*
CHR$(127)	Deletes the most recent text character in the print buffer.

Line Spacing

CHR$(10)[^J]	Produces a line feed.
CHR$(27)"0"	Sets line spacing to 1/8-inch.
CHR$(27)"1"	Sets line spacing to 7/72-inch.
CHR$(27)"2"	Sets line spacing to 1/6-inch (default).
CHR$(27)"A"CHR$(n)	Sets line spacing to n/72-inch.
CHR$(27)"3"CHR$(n)	Sets line spacing to n/216-inch.
CHR$(27)"J"CHR$(n)	Produces an immediate one-time line feed of n/216-inch without a carriage return.
CHR$(27)"j"CHR$(n)	Produces an immediate one-time reverse feed of n/216-inch without a carriage return.*

Forms Control

CHR$(27)"8"	Turns the paper-out sensor OFF.
CHR$(27)"9"	Turns the paper-out sensor ON.
CHR$(12)[^L]	Produces a form feed.
CHR$(13)	Produces a carriage return.
CHR$(27)"C"CHR$(0)CHR$(n)	Sets the form length in inches: n = 0 - 22.
CHR$(27)"C"CHR$(n)	Sets the form length in lines: n = 0 - 127.
CHR$(27)"N"CHR$(n)	Turns a variable skip-over-perforation ON: n = 1 - form length - 1.
CHR$(27)"O"	Turns skip-over-perforation OFF.

Page Format

CHR$(9) or CHR$(137)	Activates a horizontal tab.
CHR$(11)	Activates a vertical tab.
CHR$(27)"/"CHR$(n)	Selects vertical tab channel n.
CHR$(27)"B"CHR$(n_1). . .CHR$($n_k$)CHR$(0)	Sets vertical tab stops at n_1, n_2, . . ., n_k, where k $\langle$ = 32, 0 $\langle$ n_k $\langle$ form length.
CHR$(27)"D"CHR$(n_1). . .CHR$($n_k$)CHR$(0)	Sets horizontal tab stops at n_1, n_2, . . .,n_k, where k $\langle$ = 32, 0 $\langle$ n_k $\langle$ margin length.
CHR$(27)"Q"CHR$(n)	Sets the right margin at n, where n ranges from 0 to 78 in Pica, 0 to 93 in Elite, and 0 to 133 in Compressed.
CHR$(27)"b"CHR$(n)CHR$($n_1$)CHR$(n_2) . . . CHR$($n_k$)CHR$(0)	Stores vertical tab stops in channel n, where n = 0 - 7. Channel 0 is the same as CHR$(27)"B".*
CHR$(27)"l"CHR$(n)	Sets the left margin at n, where n ranges from 0 to 78 in Pica, 0 to 93 in Elite, and 0 to 133 in Compressed.*

Dot Graphics

CHR$(2^X)	When sent as graphics data, fires pin X, where X = 0 - 7.

CHR$(27)"*"CHR$(m)CHR$($n_1$)CHR$(n_2)
Selects one of six graphics densities: m is mode 0 - 6 and width = n_1 + 256*n_2 where $_1$ = 0 - 255 and n_2 = 0 - 7.

CHR$(27)"?s"CHR$(n)
Reassigns a code letter(s) to a graphics density n, where s = K, L, Y, or Z and n = 0 - 6.*

CHR$(27)"K"CHR$(n_1)CHR$($n_2$)
Turns Single-Density Graphics Mode ON; width = n_1 + 256*n_2 where n_1 = 0 - 255 and n_2 = 0 - 7.

CHR$(27)"L"CHR$(n_1)CHR$($n_2$)
Turns Double-Density Graphics Mode ON; width = n_1 + 256*n_2 where n_1 = 0 - 255 and n_2 = 0 - 7.

CHR$(27)"Y"CHR$(n_1)CHR$($n_2$)
Turns High-Speed Double-Density Graphics Mode ON; width = n_1 + 256*n_2 where $_1$ = 0 - 255 and n_2 = 0 - 7.

CHR$(27)"Z"CHR$(n_1)CHR$($n_2$)
Turns Quadruple-Density Graphics Mode ON; width = n_1 + 256*n_2 where $_1$ = 0 - 255 and n_2 = 0 - 7.

CHR$(27)"^"CHR$(0)CHR$($n_1$)CHR$(n_2)
Turns Single-Density Nine-Pin Graphics Mode ON; width = n_1 + 256*n_2 where $_1$ = 0 - 255 and n_2 = 0 - 7.

CHR$(27)"^"CHR$(1)CHR$($n_1$)CHR$(n_2)
Turns Double-Density Nine-Pin Graphics Mode ON; width = n_1 + 256*n_2 where $_1$ = 0 - 255 and n_2 = 0 - 7.

*If your computer cannot generate lower-case letters, use the equivalent decimal values.

Note: For software that allows you to insert printer codes during the set-up or operation of the program, you will usually use the ESCape key instead of CHR$(27) and omit the quotation marks. If the code does not include CHR$(27), you will find an alternate version in brackets. This alternate version uses the CONTROL key (indicated by a ^) with a letter. For example, to produce Elite, press ESCape then M; to produce Compressed, press CONTROL and O at the same time.

Codes for color

n	Color
0	Black
1	Magenta
2	Blue
3	Violet
4	Yellow
5	Orange
6	Green

SelecType modes

Mode	Function
0	Reset
1	Compressed
2	Expanded
3	Elite
4	Emphasized
5	Italic
6	Double-Strike
7	Underline
8	Superscript
9	Subscript
10	Skip-over-perforation

Note: The mode number indicates how many times you press the ON LINE button to select each function.

ASCII Code summary

Dec	Hex	Character or Function	Dec	Hex	Character or Function	Dec	Hex	Character or Function
0	00	none	58	3A	:	116	74	t
1	01	none	59	3B	;	117	75	u
2	02	none	60	3C	<	118	76	v
3	03	none	61	3D	=	119	77	w
4	04	none	62	3E	>	120	78	x
5	05	none	63	3F	?	121	79	y
6	06	none	64	40	@	122	7A	z
7	07	BEL	65	41	A	123	7B	{
8	08	BS	66	42	B	124	7C	|
9	09	HT	67	43	C	125	7D	}
10	0A	LF	68	44	D	126	7E	~
11	0B	VT	69	45	E	127	7F	DEL
12	0C	FF	70	46	F	128	80	none
13	0D	CR	71	47	G	129	81	none
14	0E	SO	72	48	H	130	82	none
15	0F	SI	73	49	I	131	83	none
16	10	none	74	4A	J	132	84	none
17	11	DC1	75	4B	K	133	85	none
18	12	DC2	76	4C	L	134	86	none
19	13	DC3	77	4D	M	135	87	BEL
20	14	DC4	78	4E	N	136	88	BS
21	15	none	79	4F	O	137	89	HT
22	16	none	80	50	P	138	8A	LF
23	17	none	81	51	Q	139	8B	VT
24	18	CAN	82	52	R	140	8C	FF
25	19	none	83	53	S	141	8D	CR
26	1A	none	84	54	T	142	8E	SO
27	1B	ESC	85	55	U	143	8F	SI
28	1C	none	86	56	V	144	90	none
29	1D	none	87	57	W	145	91	DC1
30	1E	none	88	58	X	146	92	DC2
31	1F	none	89	59	Y	147	93	DC3
32	20	blank	90	5A	Z	148	94	DC4
33	21	!	91	5B	[	149	95	none
34	22	"	92	5C	\	150	96	none
35	23	#	93	5D	]	151	97	none
36	24	$	94	5E	^	152	98	CAN
37	25	%	95	5F	_	153	99	none
38	26	&	96	60	`	154	9A	none
39	27	'	97	61	a	155	9B	ESC
40	28	(	98	62	b	156	9C	none
41	29	)	99	63	c	157	9D	none
42	2A	*	100	64	d	158	9E	none
43	2B	+	101	65	e	159	9F	none
44	2C	,	102	66	f	160	A0	blank
45	2D	-	103	67	g	161	A1	¡
46	2E	.	104	68	h	162	A2	¢
47	2F	/	105	69	i	163	A3	#
48	30	0	106	6A	j	164	A4	$
49	31	1	107	6B	k	165	A5	%
50	32	2	108	6C	l	166	A6	&
51	33	3	109	6D	m	167	A7	'
52	34	4	110	6E	n	168	A8	(
53	35	5	111	6F	o	169	A9	)
54	36	6	112	70	p	170	AA	*
55	37	7	113	71	q	171	AB	+
56	38	8	114	72	r	172	AC	,
57	39	9	115	73	s	173	AD	-

Dec	Hex	Character or Function	Dec	Hex	Character or Function	Dec	Hex	Character or Function
174	AE	.	202	CA	J	230	E6	f
175	AF	/	203	CB	K	231	E7	g
176	B0	0	204	CC	L	232	E8	h
177	B1	1	205	CD	M	233	E9	i
178	B2	2	206	CE	N	234	EA	j
179	B3	3	207	CF	O	235	EB	k
180	B4	4	208	D0	P	236	EC	l
181	B5	5	209	D1	Q	237	ED	m
182	B6	6	210	D2	R	238	EE	n
183	B7	7	211	D3	S	239	EF	o
184	B8	8	212	D4	T	240	F0	p
185	B9	9	213	D5	U	241	F1	q
186	BA	:	214	D6	V	242	F2	r
187	BB	;	215	D7	W	243	F3	s
188	BC	<	216	D8	X	244	F4	t
189	BD	=	217	D9	Y	245	F5	u
190	BE	>	218	DA	Z	246	F6	v
191	BF	?	219	DB	[	247	F7	w
192	C0	@	220	DC	\	248	F8	x
193	C1	A	221	DD	]	249	F9	y
194	C2	B	222	DE	^	250	FA	z
195	C3	C	223	DF	_	251	FB	{
196	C4	D	224	E0	`	252	FC	/
197	C5	E	225	E1	a	253	FD	}
198	C6	F	226	E2	b	254	FE	~
199	C7	G	227	E3	c	255	FF	DEL
200	C8	H	228	E4	d			
201	C9	I	229	E5	e			

Master Select Quick Reference Chart

PITCH	WEIGHT			
	Single Strike	Emphasized	Double Strike	Double Strike Emphasized
Pica	@	H	P	X
Elite	A	N/A	Q	N/A
Compressed	D	N/A	T	N/A
Compressed Elite	E	N/A	U	N/A
Expanded Pica	␣	*	0	8
Expanded Elite	!	N/A	1	N/A
Expanded Compressed	$	N/A	4	N/A
Expanded Compressed Elite	e	N/A	u	N/A

Note: The symbol ␣ represents a blank space